

[54] COMMUNICATION DEVICE WITH CODE  
SEQUENCE SELECTION SYSTEM

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[57] ABSTRACT

A code division multiple access (CDMA) communication system (10) having a plurality of spreading codes including a control code includes a first communication device (100) and a second communication device (106). The first communication device is adapted for transmitting a signal spread by the control code inclusive of a request for an optimum spreading code. The second communication device (106) includes a receiver (202) and an adaptable match filter (204) for identifying the optimum spreading code. A transmitter (2024) transmits information about the spreading code to the first communication device 100. With the information on the optimum spreading code available, the first communication device (100) and the second communication device (106) continue to communicate with each other. The optimum spreading code is periodically updated by the first communication device (100) and second communication device (106) to provide for changes in the utilization of codes.

20 Claims, 2 Drawing Sheets

